



REX LOWTHER ET AL  
LINE MODELING TOOL  
125.071US01 U.S. SERIAL NO. 10/628.195

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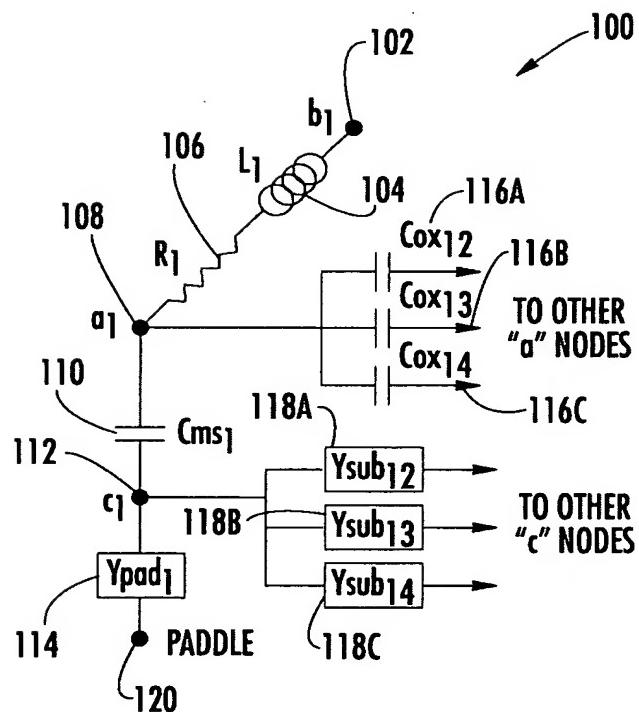
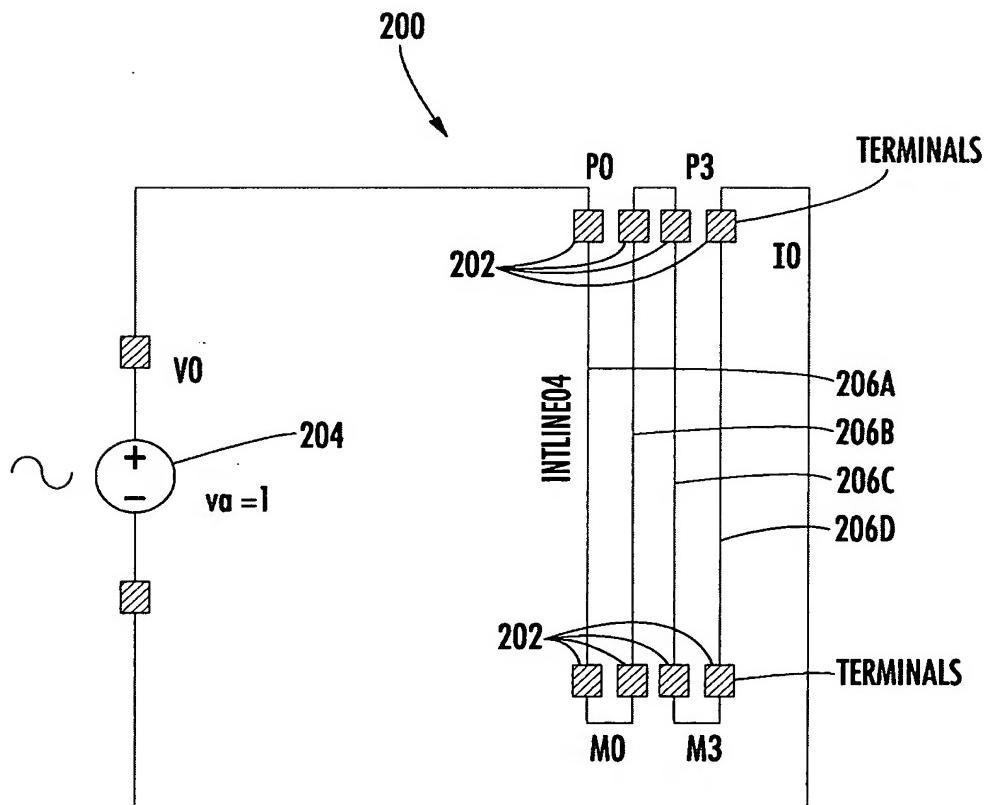


FIG. 1



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**FIG. 2**



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CDF PARAMETER	VALUE
SHOW OUTPUT?	<input type="checkbox"/>
DC BYPASS LADDER	<input type="checkbox"/>
MODEL COMPLEXITY	UNCOPLED YZ
DISTRIBUTION	Y COUPLING ON P NODE
PADDLE NODE	GND!
SET FREQUENCIES	5.0e9
ACCOUNT FOR CHIP EDGES?	<input type="checkbox"/>
SIMULATE LINE 00?	<input checked="" type="checkbox"/>
LINE TYPE	DIFFERENTIAL LINE
METAL LEVEL	MET4
WHAT'S BELOW	SHALLOW TRENCH
FREQUENCY	5.0e9
WIDTH (um)	5.0
P COORDINATE (um)	00.0, 0.0
M COORDINATE (um)	00.0, 100.0
<b>GET COORDINATES FROM CURRENT LAYOUT</b>	
RS	1.974e-01
INDUCTANCE	7.039e-11
CMS	1.057e-14
CPAD	1.271e-14
RPAD	1.119e+03
SIMULATE LINE 01?	<input type="checkbox"/>
LINE TYPE	SIGNAL LINE

300

FIG. 3



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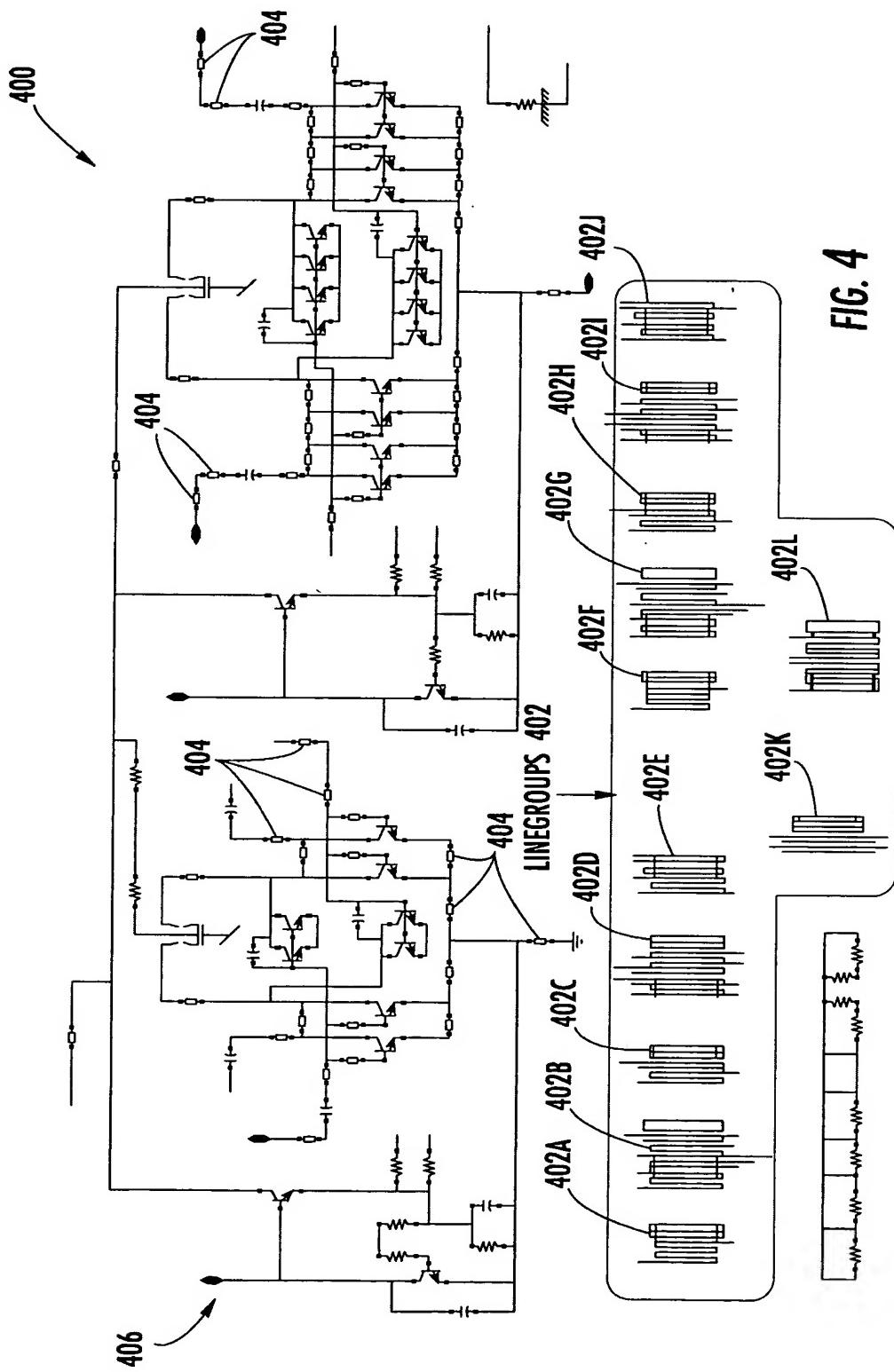


FIG. 4



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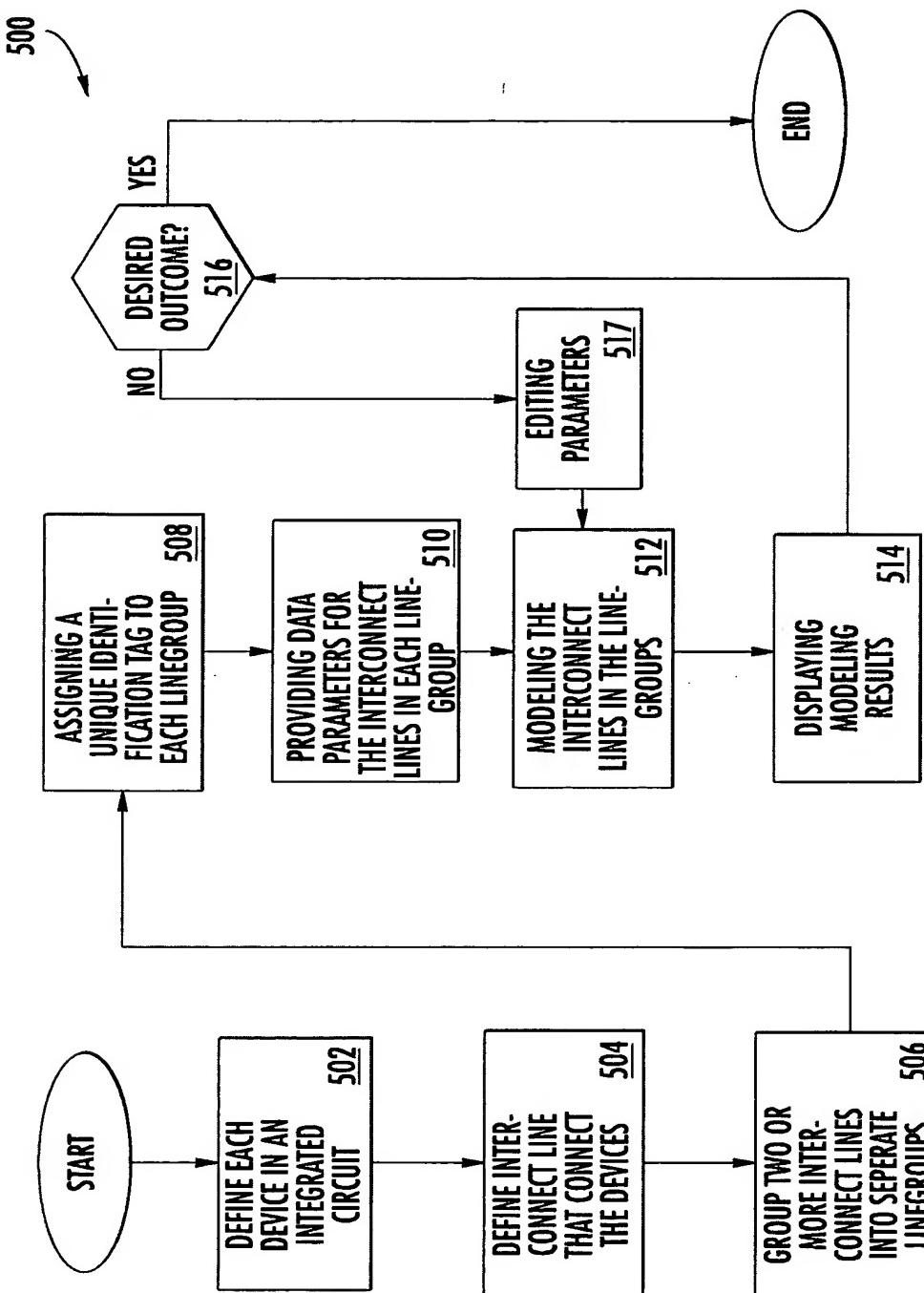


FIG. 5